



New Frontiers Program 2009 Concept Study Kickoff Meeting

Concept Study Requirements

**Tom Morgan
New Frontiers Program Scientist
January 12, 2009**



Schedule

New Frontiers
Concept Study
Kickoff Meeting

8:00 A. M.	Assemble
8:30 AM	Concept Study Kick-off
8:30	Greeting Jim Green
8:40	Introduction Tom Morgan
8:50	Concept Study Guidelines Jay Bergstrahl
9:30	PDS Bill Knopf
10:00 AM	Break
10:30 AM	Joint Sessions
	Debriefing LSP and Program Office
	OSIRIS-REx MoonRise
12:00 Noon	Short Lunch
12:30 P. M.	Joint Sessions Continued
	MoonRise SAGE
2:00 P. M.	SAGE OSIRIS-REx
3:30	END



Concept Study Overview

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The length and cost of the concept Studies for Frontiers Program 2009 AO (NNH09ZDA0070), Given in Section 6.6.2 and 7.4.3 have been changed

- Concept study is 12 months with Concept Study Reports due on January 14, 2011.
- Each Concept Team to receive \$3.3M (real year dollars)
- Tom Morgan, New Frontiers Program Scientist, will be the overall Chair of the Evaluation Team.
- Jay Bergstralh, New Frontiers Acquisition Manager, will Co-Chair & lead the TMCO evaluation.
- Final reports must be delivered to NPRS NLT 4:30 p.m. EST.
 - Signed Original and 90 copies.
 - No late changes or errata sheets, no exceptions.
 - NPRS address and contact information is in the AO and the CSR Guidelines.



Relevant Documents

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New Frontiers Program Library (<http://newfrontiers.larc.nasa.gov/newfrontiers/NFPL.html>):

- Criteria and Guidelines for the Phase A Concept Study.
- Example of Mission Definition and Requirements Agreement and International Agreement.

Downselect 2009 Information (<http://newfrontiers.larc.nasa.gov/newfrontiers/phaseAconceptstudy.html>):

- Phase A Concept Study updates.
- Announcements.



Concept Study Report Content

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- **Selections were primarily based on Science Merit.**
 - Unless Concept Study results demand it, Science should not change.
 - Science section from Proposal **MUST** be repeated in the Concept Study Report.
 - Changes that affect any of the science objectives must be highlighted.
 - **Unless the Science has changed**, the Downselect Evaluation will emphasize implementation.
- **Implementation: Feasibility of the Proposed Approach for Mission Implementation Including Cost Risk.**
 - Details of instrument strategy, sensitivities, and implementation are required.
 - Block diagrams, instrument, and observation table should be updated with design details.
 - Details of data management are also required including analysis, archiving, curation if samples are returned, publication, and release to public.



Evaluation Criteria

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- **Evaluation Criteria for Concept Study:**
 - **Scientific Merit of the Proposed Investigation:** Not reevaluated unless there is a change made.
 - **Technical Merit and Feasibility of the Proposed Investigation:** Per Concept Study Guidelines.
 - **Feasibility of the Proposed Approach for Mission Implementation Including Cost Risk:** Per Concept Study Guidelines and as discussed in TMC0 section of Briefing.
 - **Quality of Plans for Education/Public Outreach Including Implementation Feasibility** will be evaluated per the Concept Study Guidelines and as discussed in TMC0 section of Briefing.
- **Total Mission Cost to NASA:** This is equal to proposed cost and is not evaluated.

Note: Proposed Cost will be a selection factor and cannot increase from proposed cost by more than 20% or exceed the total \$650M (FY09) cost cap.



Competition Conditions

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- **“Blackout” after the Kickoff Meeting.**
 - Communications after this meeting will be controlled.
 - Technical and expert advice should be obtained directly from identified Points of Contact (POC’s).
 - All programmatic questions, including questions of policy, questions of interpretation, and questions of clarification, should come to HQ/Tom Morgan.
 - Answers as applicable will be provided via New Frontiers Program Acquisition Homepage and emailed to PI’s.
 - Site visit details will be coordinated with LaRC/Jay Bergstrahl.